

FIG. 1

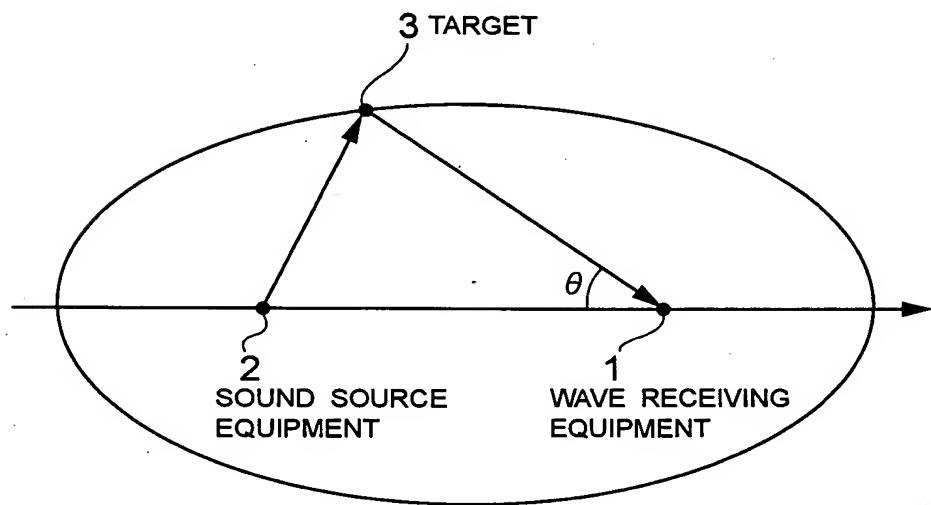


FIG. 2

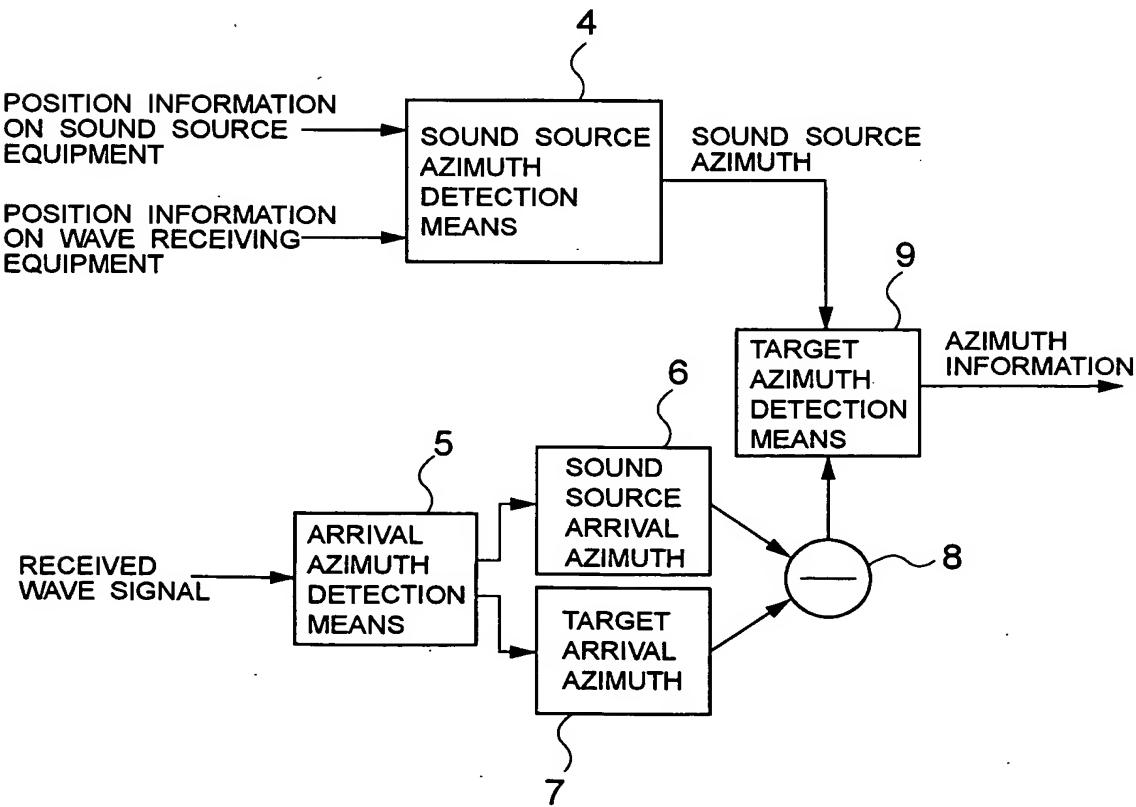


FIG. 3

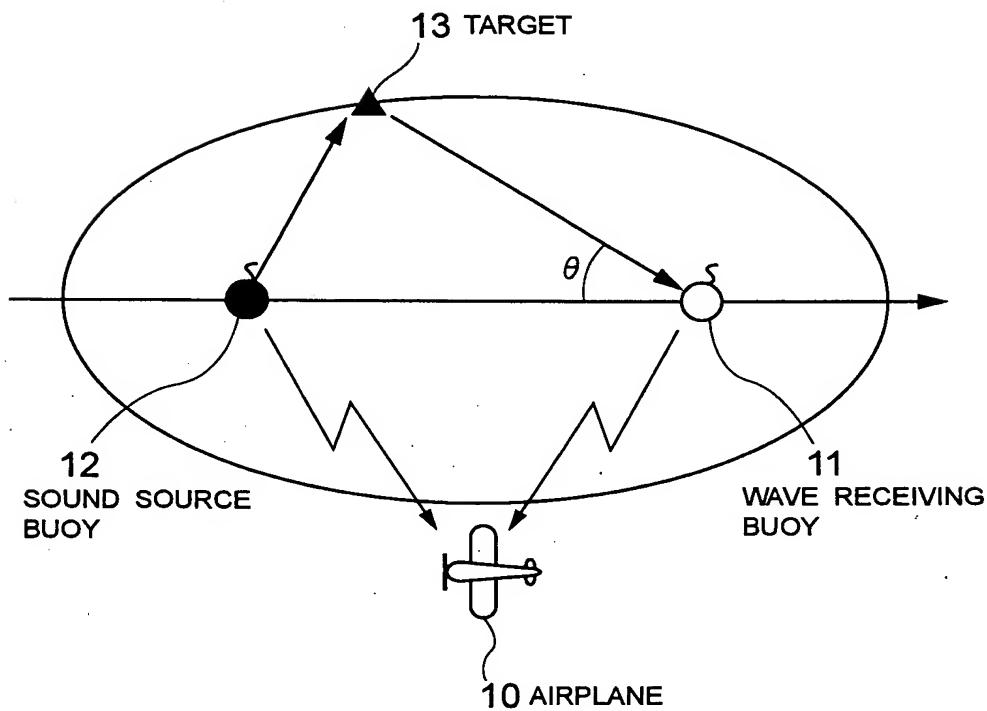


FIG. 4

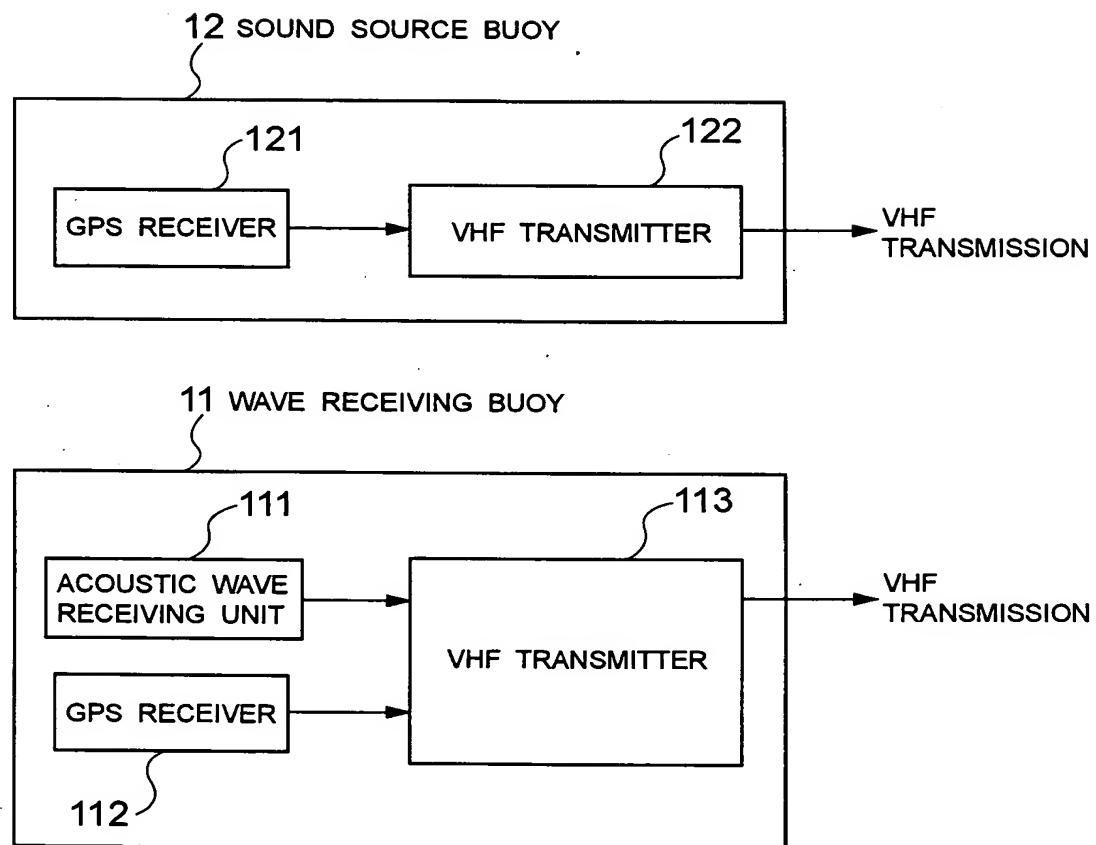


FIG. 5A SOUND SOURCE ARRIVAL AZIMUTH

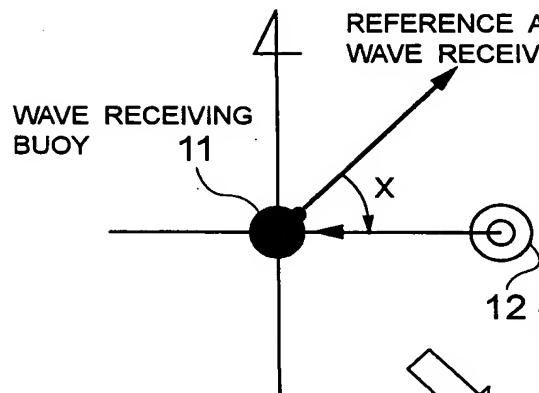


FIG. 5B TARGET ARRIVAL AZIMUTH

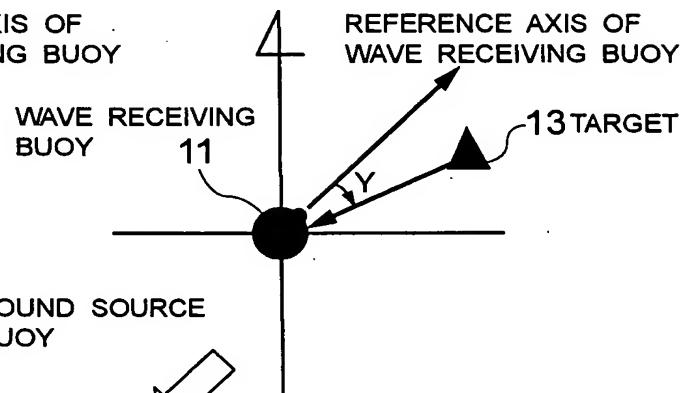
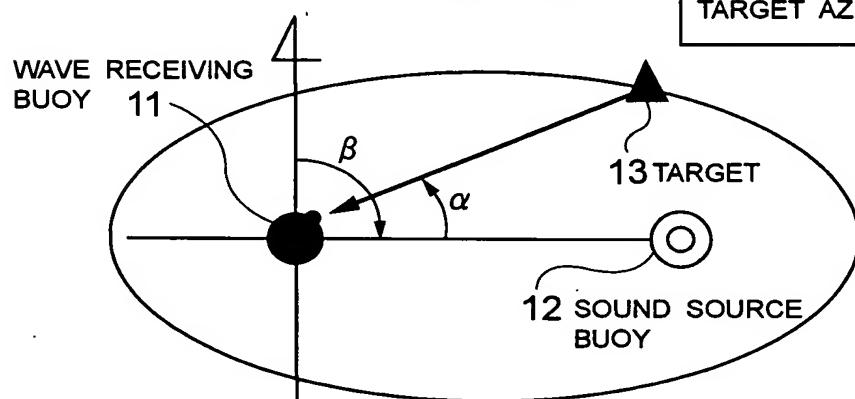


FIG. 5C TRANSITION DIAGRAM (GPS)



$$\text{TARGET AZIMUTH} = \beta - \alpha$$

FIG. 6

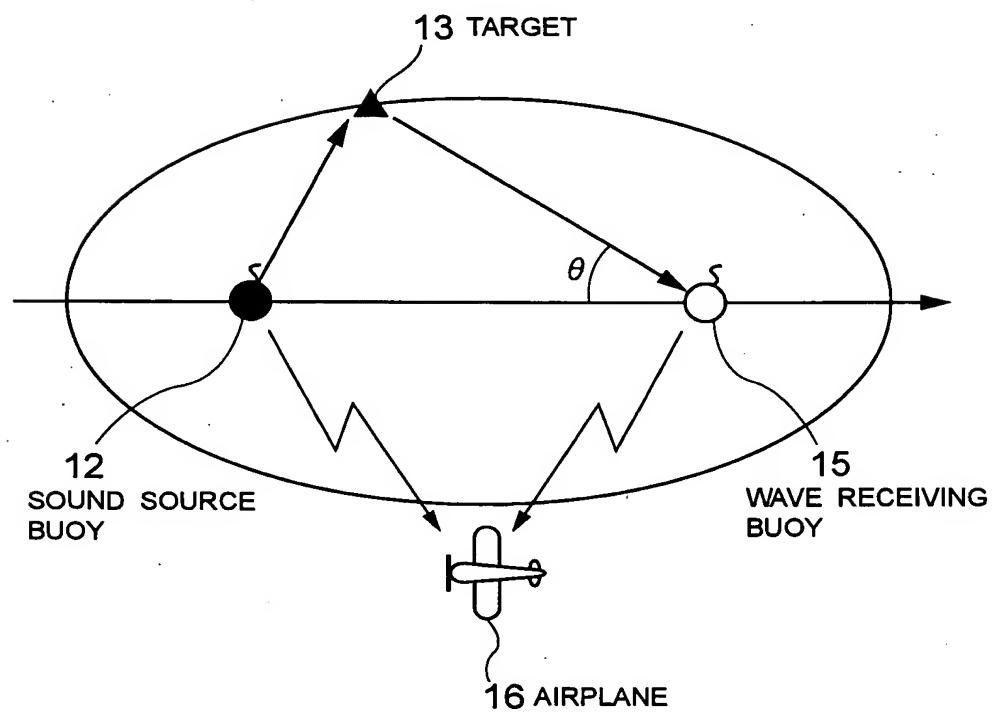


FIG. 7

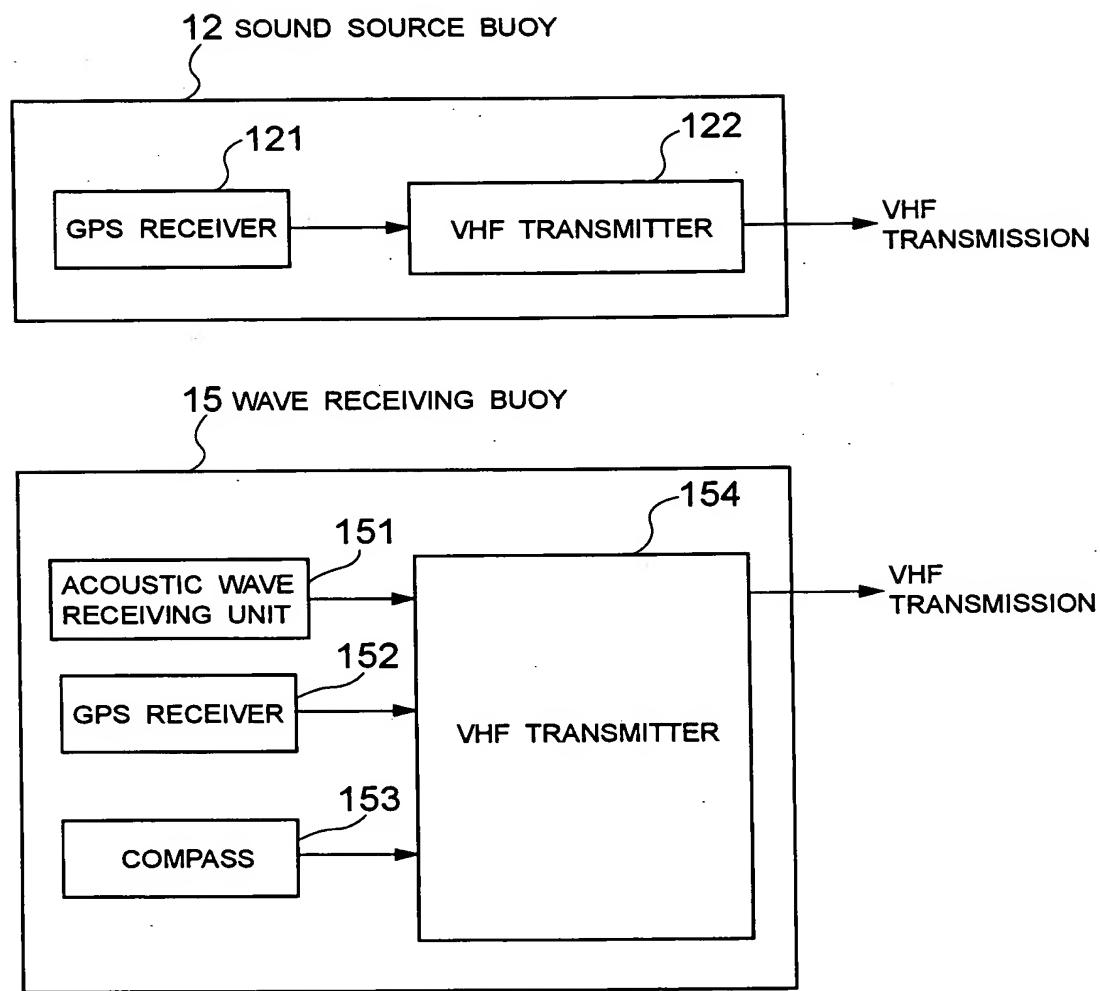


FIG. 8A

DETECTION USING
COMPASS

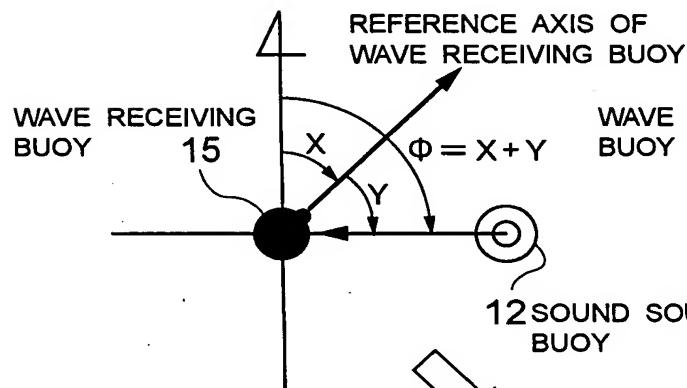


FIG. 8B

DETECTION USING
GPS

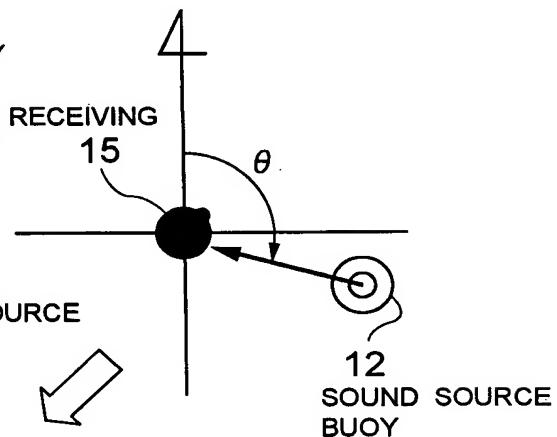


FIG. 8C TRANSITION
DIAGRAM

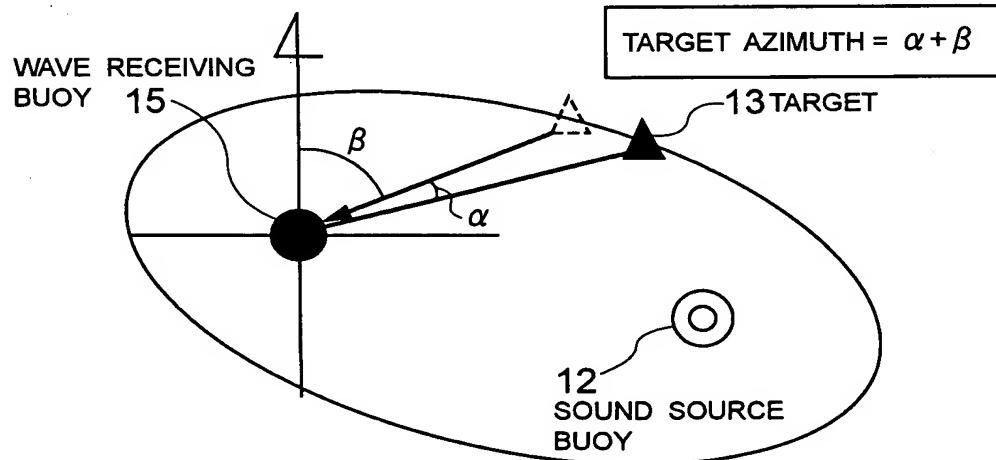


FIG. 9

